



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDSALOWT4022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Wed Jul 18 16:14:50 2018
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS830LEDSALOWT4022ACT120-277[_P
 [LAMP] LED 0.195W White 5630 package (65mA)
 [LAMPCAT] SPMWHT541MD-3900K
 [OTHER]
 IESNA:LM-63-2002[TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUEDATE] 7/24/2013 1:09:24 PM
 [MANUFAC] Beghelli
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2587
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
Total Luminaire Watts	17
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1497	1258	1497
55	924	753	924
65	512	404	512
75	298	226	298
85	69	50	69

CANDELA TABULATION

	<u>0</u>
0	1195.430
5	1177.672
10	1166.445
15	1142.254
20	1082.501
25	991.514
30	901.626
35	811.162
40	728.304
45	639.347
50	518.323
55	382.898
60	264.366
65	199.099
70	151.462
75	104.781
80	57.568
85	21.072
90	5.483
95	2.082
100	1.776
105	1.861
110	1.544
115	1.768
120	2.574
125	3.176
130	3.378
135	3.074
140	2.453
145	2.150
150	2.125
155	2.102
160	2.158
165	2.325
170	2.672
175	2.656
180	3.867

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	432.53	N.A.	16.70
0-30	889.63	N.A.	34.40
0-40	1398.7	N.A.	54.10
0-60	2231.42	N.A.	86.20
0-80	2543.28	N.A.	98.30
0-90	2571.92	N.A.	99.40
10-90	2459.69	N.A.	95.10
20-40	966.17	N.A.	37.30
20-50	1453.33	N.A.	56.20
40-70	1034.16	N.A.	40.00
60-80	311.85	N.A.	12.10
70-80	110.42	N.A.	4.30
80-90	28.64	N.A.	1.10
90-110	4.98	N.A.	0.20
90-120	6.88	N.A.	0.30
90-130	9.63	N.A.	0.40
90-150	13.36	N.A.	0.50
90-180	15.27	N.A.	0.60
110-180	10.29	N.A.	0.40
0-180	2587.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.23
10-20	320.30
20-30	457.10
30-40	509.07
40-50	487.16
50-60	345.57
60-70	201.43
70-80	110.42
80-90	28.64
90-100	3.12
100-110	1.86
110-120	1.89
120-130	2.75
130-140	2.33
140-150	1.40
150-160	0.98
160-170	0.67
170-180	0.27

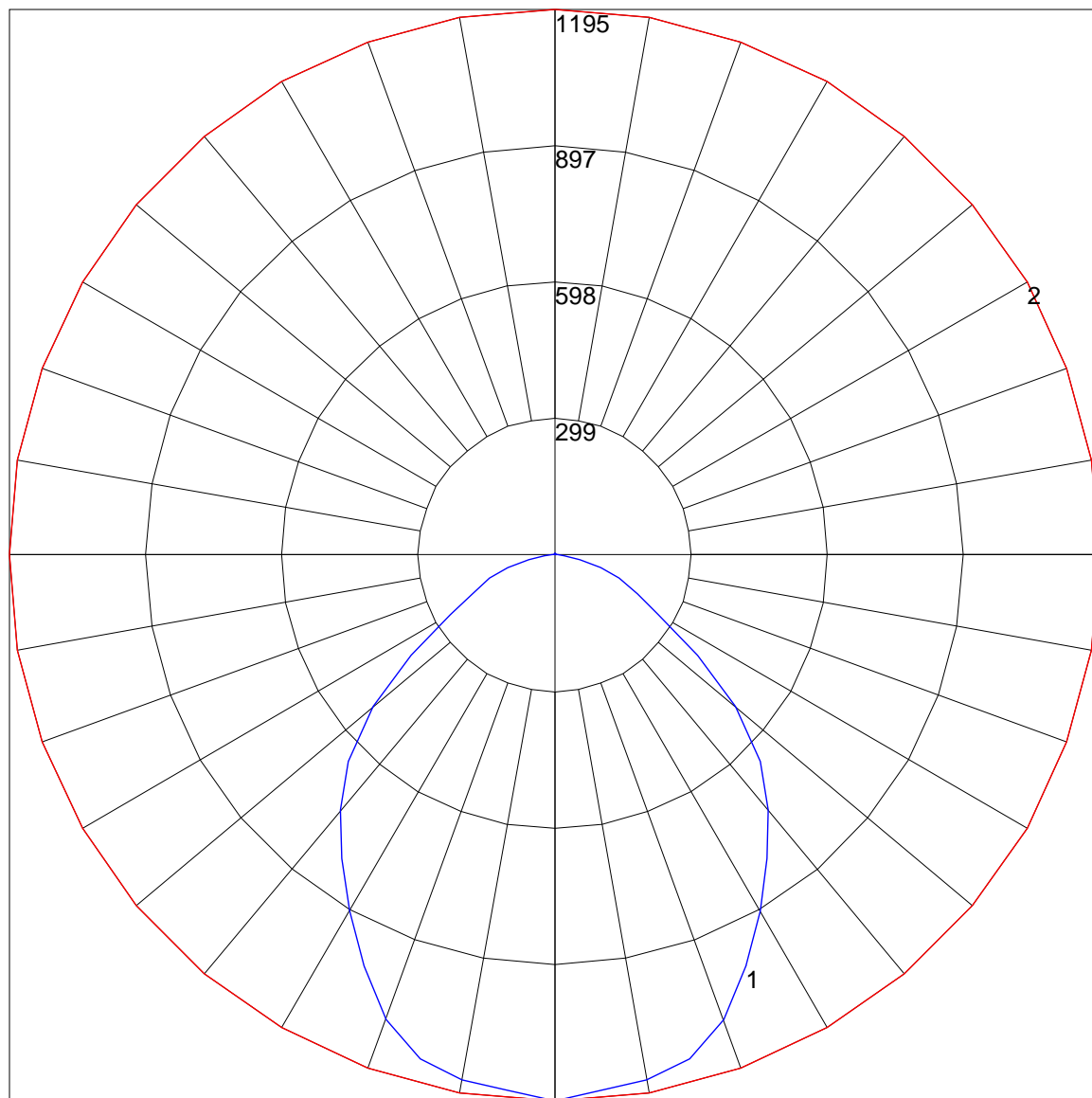
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 1195.43 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)